



Lewis Research Center

NGST

EELV-Heavy

- **Performance**

- Requirement (T IV/SRMU goal): 6120 kg to GEO
- Estimated equivalent capabilities
 - Escape ($C3 = 0 \text{ km}^2/\text{sec}^2$): >9000 kg
 - 1 AU x 3 AU ($C3 = 45 \text{ km}^2/\text{sec}^2$): >4000 kg
 - 1 AU x 5 AU ($C3 = 77 \text{ km}^2/\text{sec}^2$): >2000 kg

- **Fairing/Payload Envelope**

- Titan IV equivalent fairing requirement

- **Fairing Growth Plans**

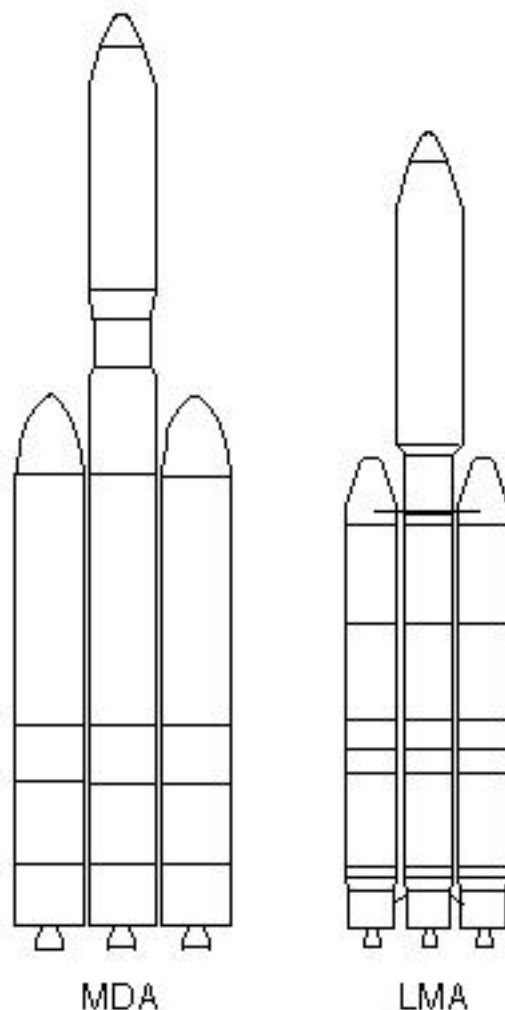
- None identified

- **Launch Availability**

- CCAFS & VAFB
- Test Flight: 2003

- **Basic Launch Service Cost**

- Cost to deliver entire EELV mission model is targeted for 50% of current cost



<http://www.mdc.com/version2/space/delta4.htm>

<http://www.lmco.com/Astro/products/advancedLaunch/home.html>

Launch Services & Transportation Projects Office